Java Collections Assignment

1.Name Finder:

2. Method Reference Sorter:

3.Last3 Searchers:

4. Grocery Line Shuffle:

5. Emergeny Patient Tracker:

6.Chat Processor:

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    □ chat_processor.java × |

          package assignment;
import java.util.concurrent.LinkedBlockingQueue;
         public class chat_processor {
   public static void main(String[] args) {
        LinkedBlockingQueue<String> messageQueue = new LinkedBlockingQueue<>>(5);
     50
                    // Writer thread: adds messages
Thread writer = new Thread(() -> {
   int count = 1;
      90
                        110
     120
                         }
} catch (InterruptedException e) {
   Thread.currentThread().interrupt();
     18
                   });
                                                                                                                                                 <u>ه</u> ک
    ■ Console ×
   chat_processor [Java Application] C:\Users\Harsha Vardhan\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-win32.win32.x86_64\sts-4.31.0.RELEASE
    Processed: Message 1
   Added: Message 1
    Added: Message 2
Processed: Message 2
   Added: Message 3
Added: Message 4
    Processed: Message 3
    Added: Message 5
    Added: Message 6
    Processed: Message 4
    Added: Message 7
    Processed: Message 5
    Added: Message 8
Added: Message 9
    Processed: Message 6
```

7.Stage Task Runner:

8. Recent App Memory:

9.Print Manager:

10.Undo Stack:

```
🧾 undo_stack.java 🔀
  package assignment;
import java.util.Stack;
  50
          public static void main(String[] args) {
              Stack<String> commandStack = new Stack<>();
Stack<String> redoStack = new Stack<>();
              commandStack.push("Open");
              commandStack.push("Edit");
              commandStack.push("Save");
              System.out.println("Commands: " + commandStack);
              String undone = commandStack.pop();
              redoStack.push(undone);
              System.out.println("After Undo: " + commandStack);
              commandStack.push(redoStack.pop());
📮 Console 🗡
<terminated> undo_stack [Java Application] C:\Users\Harsha Vardhan\Downloads\spring-tools-for-eclipse-4.31.0.RELEASE-e4.36.0-wir
Commands: [Open, Edit, Save]
After Undo: [Open, Edit]
After Redo: [Open, Edit, Save]
```